

U.S. Patent Application Serial No. 09/926,160
Response filed November 22, 2004
Reply to OA dated August 10, 2004

AMENDMENTS TO THE CLAIMS:

Please amend claim 1, as follows. This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (Currently Amended): A photocurable sheet-form material comprising:

- (a) a polymerizable unsaturated monomer;
- (b) a polymer which is either polymethyl methacrylate or a polymer consisting mainly of methyl methacrylate units and which is compatible or swollen with the monomer (a), wherein the polymer (b) is produced in a powdered form having a weight average molecular weight of 100,000 or more, and wherein the particle diameter of the polymer (b) is 300 to 5000 Angstroms (Å);
- (c) a photocuring agent;
- (d) fibrous reinforcement; and
- (e) one or more resins selected from a (meth)acrylic polymer, an unsaturated polyester, a vinyl ester, or an urethane acrylate;

wherein, the polymerizable unsaturated monomer (a) is an acrylic polymerizable monomer, and has a solubility parameter SP within a range from 8.1 to 10.0, which is calculated in accordance with a formula “ $SP=\Sigma(G)/\text{molecular weight}$ ” by using molar attraction constants G, and a content of the polymer (b) is within a range from 10 to 50 parts by weight, relative to 100 parts by weight of the polymerizable unsaturated monomer (a).

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Claims 2-4 (Canceled).

Claim 5 (Previously Presented): A photocurable sheet-form material according to claim 1, wherein the polymer (b) is included in an amount of 1 to 100 parts by weight, relative to 100 parts by weight of the polymerizable unsaturated monomer (a).

Claim 6 (Previously Presented): A layered molding made of a laminate of a thermoplastic resin sheet and a photocurable sheet-form material according to claim 1.

Claim 7 (Previously Presented): A method of reinforcement, including a step of using a photocurable sheet-form material according to claim 1 on a surface of a molded article.

Claim 8 (Previously Presented): A photocurable sheet-form material according to claim 1, wherein the polymer (b) is produced in an emulsion form by an emulsion polymerization method.